

SEQUENCE LISTING

<110> De Strooper, Bart
 Annaert, Wim

<120> Binding Domains Between Presenilins and Their Substrates
 as Targets for Drug Screening

<130> 2676-6086US

<150> PCT/EP/02/043033
 <151> 2002-03-15

<150> EP01201015.3
 <151> 2001-03-16

<160> 22

<170> PatentIn version 3.2

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 <211> 21
 <212> PRT
 <213> Artificial

<220>
 <223> Human transmembrane region 1 of presenilin 1

<400> 1

Val	Ile	Met	Leu	Phe	Val	Pro	Val	Thr	Leu	Cys	Met	Val	Val	Val	Val
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Ala Thr Ile Lys Ser
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1 5 10 15

Ala Thr Ile Lys Ser
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Leu Ala Phe His Gln Phe Tyr Ile
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<210> 4

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Leu Ala Ser His Gln Leu Tyr Ile
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<223> Part of the transmembrane region of human APP

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Thr Val Ile Val Ile Thr Leu Val Met Leu Lys
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<210> 6

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<223> Part of the transmembrane region of telencephalin

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Val Ala Gly Pro Trp
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<221> SITE

<222> (19)..(34)

<223> conserved transmembrane region

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Val Val Ile Ala Thr Val Ile Val Ile Thr Leu Val Met Leu Lys Lys
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Lys Gln Cys Arg Gln Leu Arg Ile Ala Gly Arg Arg Leu Arg Gly Arg
20 25 30

Ser Arg

<210> 8
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Val	Val	Ile	Ala	Thr	Val	Ile	Val	Ile	Thr	Leu	Val	Met	Leu	Lys	Lys
1				5					10					15	

Lys Gln

<210> 9
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<223> X is a palmitoyl group

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Ile

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Gly Arg Gln Leu Arg Ile Ala Gly Arg Arg Leu Arg Gly Arg Ser Arg
1 5 10 15

Leu Val Gln Pro Phe Met Asp Gln Leu Ala Phe His Gln Phe Tyr Ile
20 25 30

<210> 11
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<220>
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Leu Val Gln Pro Phe Met Asp Gln Leu Ala Phe His Gln Phe Tyr Ile
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<210> 12
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<222> (16)..(31)
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Ala Thr Val Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys Gln Gly
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Arg Gly Leu Arg Ile Ala Gly Arg Arg Leu Arg Gly Arg Ser Arg
20 25 30

<210> 13

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<223> synthesized peptide

<400> 13

Ala Thr Val Ile Val Ile Thr Leu Val Met Leu Lys Lys Lys Gln
1 5 10 15

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<223> X is a palmitoyl group

<400> 14

Xaa Leu Ala Phe His Gln Phe Tyr Ile
1 5

<210> 15

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<222> (1)..(1)
<223> X is a palmitoyl group

<400> 15

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1 5 10

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1 5 10 15

Leu Ala Phe His Gln Phe Tyr Ile
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Gly Arg Gln Leu Arg Ile Ala Gly Arg Arg Leu Arg Gly Arg Ser Arg
1 5 10 15

Phe Met Asp Gln Leu Ala Phe His Gln Phe Tyr Ile
20 25

<210> 18

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<400> 18

Leu Ala Phe His Gln Phe Tyr Ile
1 5

<210> 19

<211> 12

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<400> 19

Phe Met Asp Gln Leu Ala Phe His Gln Phe Tyr Ile
1 5 10

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<223> conserved transmembrane region

<400> 20

Gly Arg Gln Leu Arg Ile Ala Gly Arg Arg Leu Arg Gly Arg Ser Arg
1 5 10 15

<210> 21
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<222> (1)..(18)
<223> c-terminal amino acids of mouse TLN coupled to KLN

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Gly Ala Glu Gly Gly Ala Glu Thr Pro Gly Thr Ala Glu Ser Pro Ala
1 5 10 15

Asp Gly

<210> 22
<211> 15
<212> PRT

<213> Artificial

<220>

<223> synthesized peptide

<400> 22

Met	Ala	Asp	Ile	Lys	Asn	Asn	Pro	Glu	Tyr	Ser	Ser	Lys	Leu	His
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